

## ABSTRACT

1 An apparatus and method is disclosed for providing application specific  
multi-dimensional information to an application running on a user computing  
5 device, wherein at least one dimension of the information is a category, from a  
plurality of member documents electronically extracted from a library of  
electronically searchable documents, which may comprise an application specific  
multidimensional information extractor adapted to extract occurrences of  
prospective representations of dimensions of application specific multidimensional  
10 information from the member documents, and to extract occurrences of non-  
application specific multidimensional information from the member documents; and,  
an encoder adapted to encode the occurrences of prospective dimensions of  
application specific multidimensional information and non-application specific  
multidimensional information contained in member documents according to a  
15 dimension specific coded representation of each dimension of application specific  
multidimensional information and a non-application specific coded representation of  
each non-application specific multidimensional information element. The apparatus  
and method may further comprise a member document identifier adapted to  
determine whether a member document contains coded formatting, and if not,  
20 whether the member document is a dense document, and if not, for rejecting the  
document from further processing, and the coded formatting may comprise network  
markup language coding.

The apparatus and method may further comprise an application specific  
multidimensional information verification unit adapted verify the extraction of  
25 application specific multi-dimensional information from the member documents, and  
may further comprise a database for storing the application specific multi-  
dimensional information adapted to provide an application running on a user  
computing device access to the application specific multidimensional information.  
The application specific multidimensional information may be scheduled events  
30 having the dimensions of time, location and event identity, and the application

running on the user computer can be an electronic calendar or other similar scheduling software program.